

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"538997".ap.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:28
L2	2400	514/326.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L3	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L4	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L5	0	514/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:29
L6	1070	546/210.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
L7	733	546/184.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:30
L8	844	514/315.ccls.	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
L9	518	I2 and I3	US-PGPUB; USPAT	OR	ON	2006/12/13 14:31
L10	518	I9 and I6	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32
L11	3	I9 and I4	US-PGPUB; USPAT	OR	ON	2006/12/13 14:32

10/538,997A      Yong Chu      12/13/2006

\$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International!    Enter x:x

LOGINID:ssptaylc1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \*      Welcome to STN International      \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/Caplus(SM) Austrian patent law changes
NEWS	6	SEP 11	CA/Caplus enhanced with more pre-1907 records
NEWS	7	SEP 21	CA/Caplus fields enhanced with simultaneous left and right truncation
NEWS	8	SEP 25	CA(SM)/Caplus(SM) display of CA Lexicon enhanced
NEWS	9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	13	OCT 19	E-mail format enhanced
NEWS	14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	19	NOV 10	CA/Caplus F-Term thesaurus enhanced
NEWS	20	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	21	NOV 13	CA/Caplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	23	NOV 20	CA/Caplus to MARPAT accession number crossover limit increased to 50,000
NEWS	24	NOV 20	CA/Caplus patent kind codes will be updated
NEWS	25	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	26	DEC 11	CAS REGISTRY chemical nomenclature enhanced

NEWS EXPRESS    NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items ~  
NEWS IPC8        For general information regarding STN implementation of IPC 8  
NEWS X25         X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:46:34 ON 13 DEC 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:46:54 ON 13 DEC 2006

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STRUCTURE FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

DICTIONARY FILE UPDATES: 12 DEC 2006 HIGHEST RN 915277-53-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

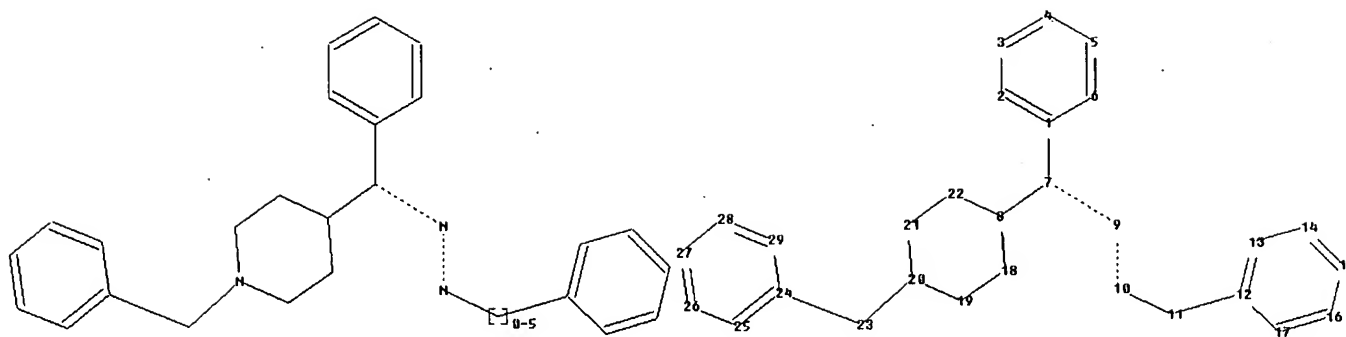
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10538997\10538997A.str



chain nodes :

7 9 10 11 23

ring nodes :

1 2 3 4 5 6 8 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27  
28 29

chain bonds :

1-7 7-8 7-9 9-10 10-11 11-12 20-23 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-18 8-22 12-13 12-17 13-14 14-15 15-16 16-17  
18-19 19-20 20-21 21-22 24-25 24-29 25-26 26-27 27-28 28-29

exact/norm bonds :

7-9 8-18 8-22 9-10 10-11 18-19 19-20 20-21 20-23 21-22

exact bonds :

1-7 7-8 11-12 23-24

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17 24-25 24-29  
25-26 26-27 27-28 28-29

Match level :

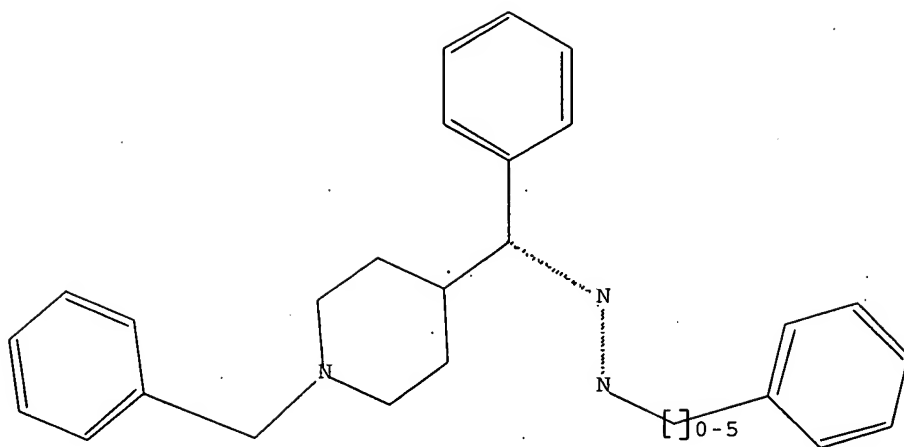
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:CLASS  
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
20:Atom 21:Atom  
22:Atom 23:CLASS 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 07:47:16 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 12 TO ITERATE

100.0% PROCESSED 12 ITERATIONS 7 ANSWERS  
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 33 TO 447  
 PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 07:47:40 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 146 TO ITERATE

100.0% PROCESSED 146 ITERATIONS 65 ANSWERS  
 SEARCH TIME: 00.00.01

L3 65 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 13 DEC 2006  
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FILE COVERS 1907 - 13 Dec 2006 VOL 145 ISS 25  
FILE LAST UPDATED: 12 Dec 2006 (20061212/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 2 L3

=> d ibib abs tot

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:589533 CAPLUS Full-text

DOCUMENT NUMBER: 141:140464

TITLE: N-(substituted arylmethyl)-4-(disubstituted methyl)piperidines and piperazines

INVENTOR(S): Ding, Ping; Henrie, Robert N., II; Cohen, Daniel H.; Lyga, John W.; Rosen, David S.; Theodoridis, George; Zhang, Qun; Yeager, Walter H.; Donovan, Stephen F.; Zhang, Steven Shunxiang; Shulman, Inna; Yu, Seong Jae; Wnag, Gouzhi; Zhang, Y. Larry; Gopalsamy, Ariamala; Warkentin, Dennis L.; Rensner, Paul E.; Silverman, Ian R.; Cullen, Thomas G.

PATENT ASSIGNEE(S): FMC Corporation, USA

SOURCE: PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

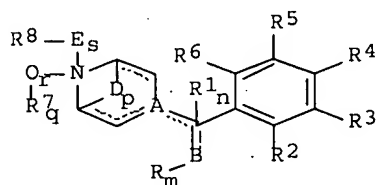
*Current application*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004060865	A2	20040722	WO 2003-US39046	20031208
WO 2004060865	A3	20041104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003296373	A1	20040729	AU 2003-296373	20031208
EP 1572668	A2	20050914	EP 2003-814673	20031208
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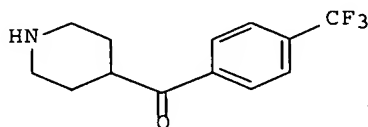
CN 1729178	A	20060201	CN 2003-80106750	20031208
CN 1744895	A	20060308	CN 2003-80109445	20031208
JP 2006511621	T2	20060406	JP 2005-508564	20031208
(US 2006166962	A1	20060727	US 2006-538997	20060208

PRIORITY APPLN. INFO.: US 2002-434718P P 20021218  
US 2003-495059P P 20030814  
WO 2003-US39046 W 20031208

OTHER SOURCE(S): MARPAT 141:140464  
GI



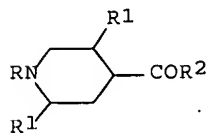
I



II

AB Title compds. I [m, n, q, r, s = 0-1; p = 0-3; A = CH, N forming a 6-membered azine ring selected from piperidine or piperazine; R2-6 = H, halo, alkyl, etc.; B = O; with provisions] are prepd. For instance, 4-bromobenzotrifluoride is transmetalated (THF, n-BuLi, -75.degree.) and treated with tert-Bu 4-[N-methoxy-N-methylcarbamoyl]piperidine-1-carboxylate to give tert-Bu 4-[(4-(trifluoromethyl)phenyl)carbonyl]piperidine-1-carboxylate. This intermediate is deprotected to give II. II gave 100% mortality and 100% growth inhibition of tobacco budworms.

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1984:85552 CAPLUS Full-text  
DOCUMENT NUMBER: 100:85552  
TITLE: Synthesis of aryl (alkyl) ketones of the piperidine series  
AUTHOR(S): Kuroyan, R. A.; Markosyan, A. I.; Snkhchyan, G. M.; Vartanyan, S. A.  
CORPORATE SOURCE: Inst. Tonkoi Org. Khim., Yerevan, USSR  
SOURCE: Armyanskii Khimicheskii Zhurnal (1983), 36(9), 614-17  
CODEN: AYKZAN; ISSN: 0515-9628  
DOCUMENT TYPE: Journal  
LANGUAGE: Russian  
GI



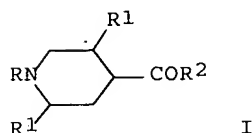
I

AB Alkyl (aryl) piperidinyll ketones I [R = PhCH2, R1 = H, R2 = C1-5 n-alkyl, (un)substituted Ph, PhCH2; R = R1 = Me, R2 = (un)substituted Ph, PhCH2] were

prepd. from the corresponding piperidinecarboxaldehyde by oximation, dehydration to the nitrile and Grignard reaction with R<sub>2</sub>X (X = undefined halo).

=> d ibib abs hitstr 2

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1984:85552 CAPLUS Full-text  
 DOCUMENT NUMBER: 100:85552  
 TITLE: Synthesis of aryl (alkyl) ketones of the piperidine series  
 AUTHOR(S): Kuroyan, R. A.; Markosyan, A. I.; Snkhchyan, G. M.; Vartanyan, S. A.  
 CORPORATE SOURCE: Inst. Tonkoi Org. Khim., Yerevan, USSR  
 SOURCE: Armyanskii Khimicheskii Zhurnal (1983), 36(9), 614-17  
 CODEN: AYKZAN; ISSN: 0515-9628  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 GI



AB Alkyl (aryl) piperidinyll ketones I [R = PhCH<sub>2</sub>, R<sub>1</sub> = H, R<sub>2</sub> = C1-5 n-alkyl, (un)substituted Ph, PhCH<sub>2</sub>; R = R<sub>1</sub> = Me, R<sub>2</sub> = (un)substituted Ph, PhCH<sub>2</sub>] were prepd. from the corresponding piperidinecarboxaldehyde by oximation, dehydration to the nitrile and Grignard reaction with R<sub>2</sub>X (X = undefined halo).

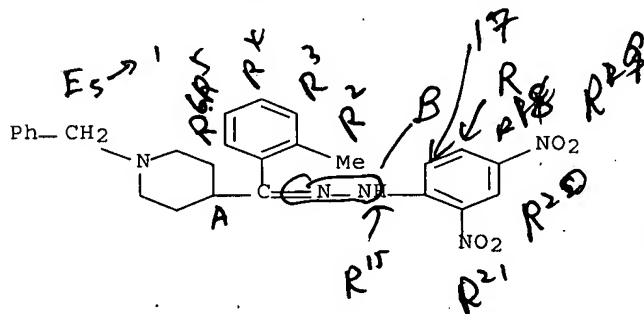
IT 88796-22-9P 88796-23-0P 88796-24-1P

88796-25-2P 88796-26-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)

RN 88796-22-9 CAPLUS

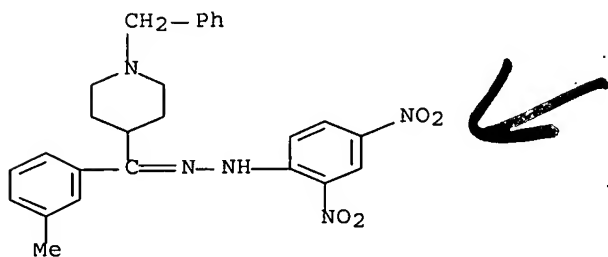
CN Methanone, (2-methylphenyl) [1-(phenylmethyl)-4-piperidinyll]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



RN 88796-23-0 CAPLUS

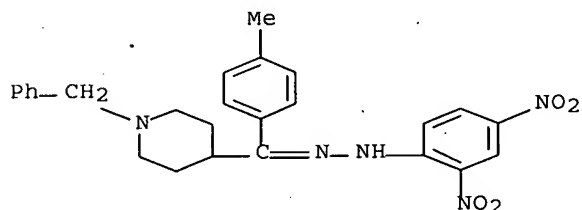


CN Methanone, (3-methylphenyl) [1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



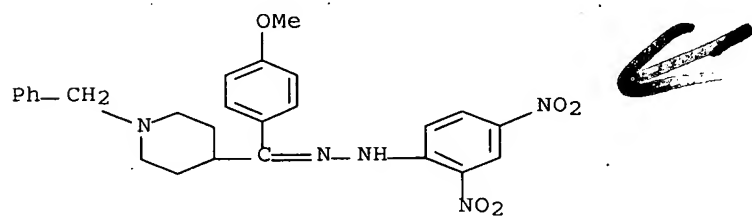
RN 88796-24-1 CAPLUS

CN Methanone, (4-methylphenyl) [1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



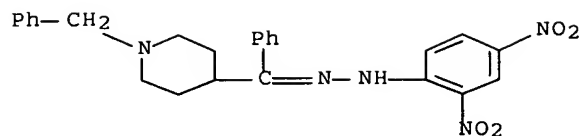
RN 88796-25-2 CAPLUS

CN Methanone, (4-methoxyphenyl) [1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



RN 88796-26-3 CAPLUS

CN Methanone, phenyl [1-(phenylmethyl)-4-piperidinyl]-, (2,4-dinitrophenyl)hydrazone (9CI) (CA INDEX NAME)



=> FIL STNGUIDE  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
11.51	178.66

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.25	-2.25

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=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 07:53:39 ON 13 DEC 2006